

Applicant: Toyohiro NOMOTO, et al.

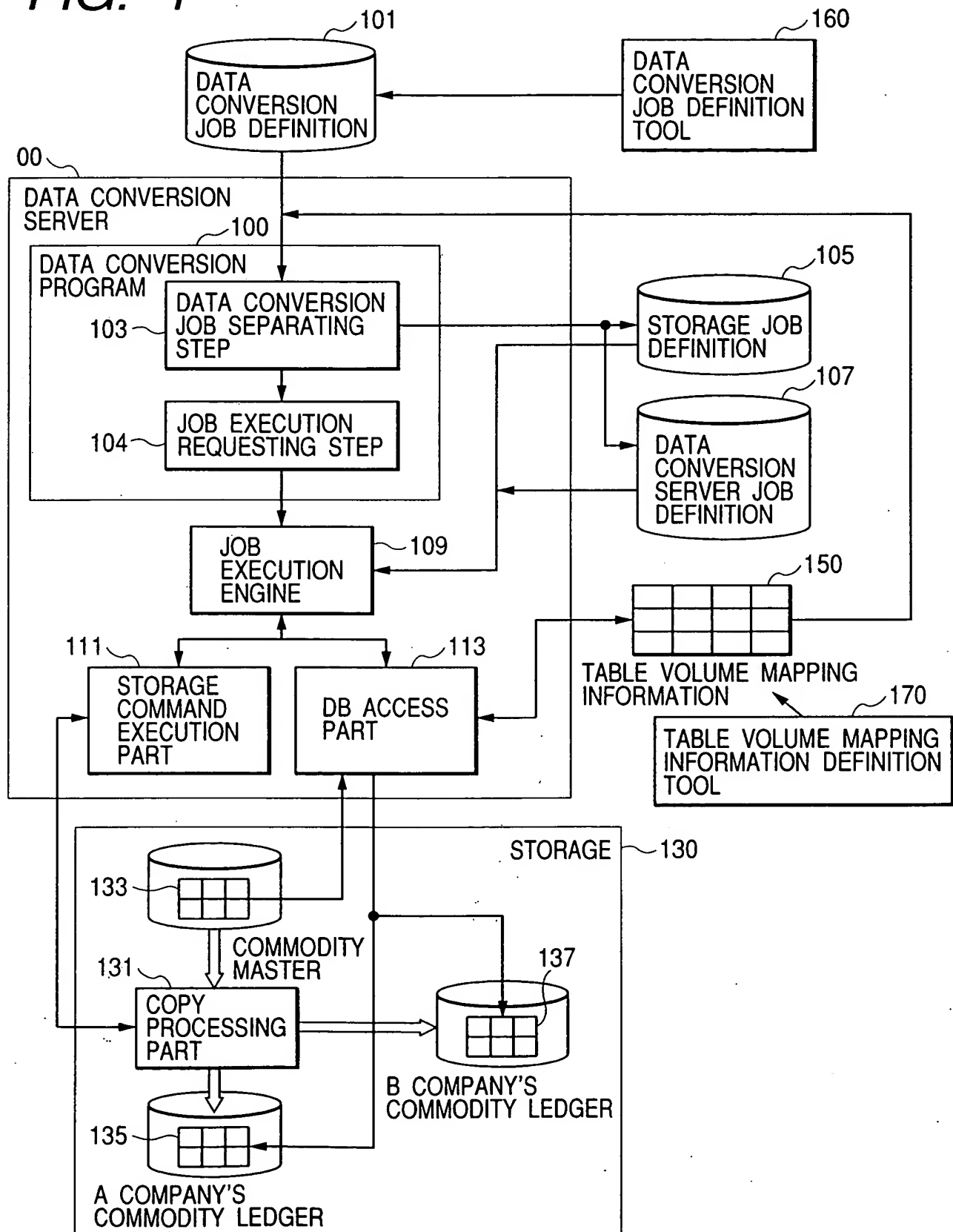
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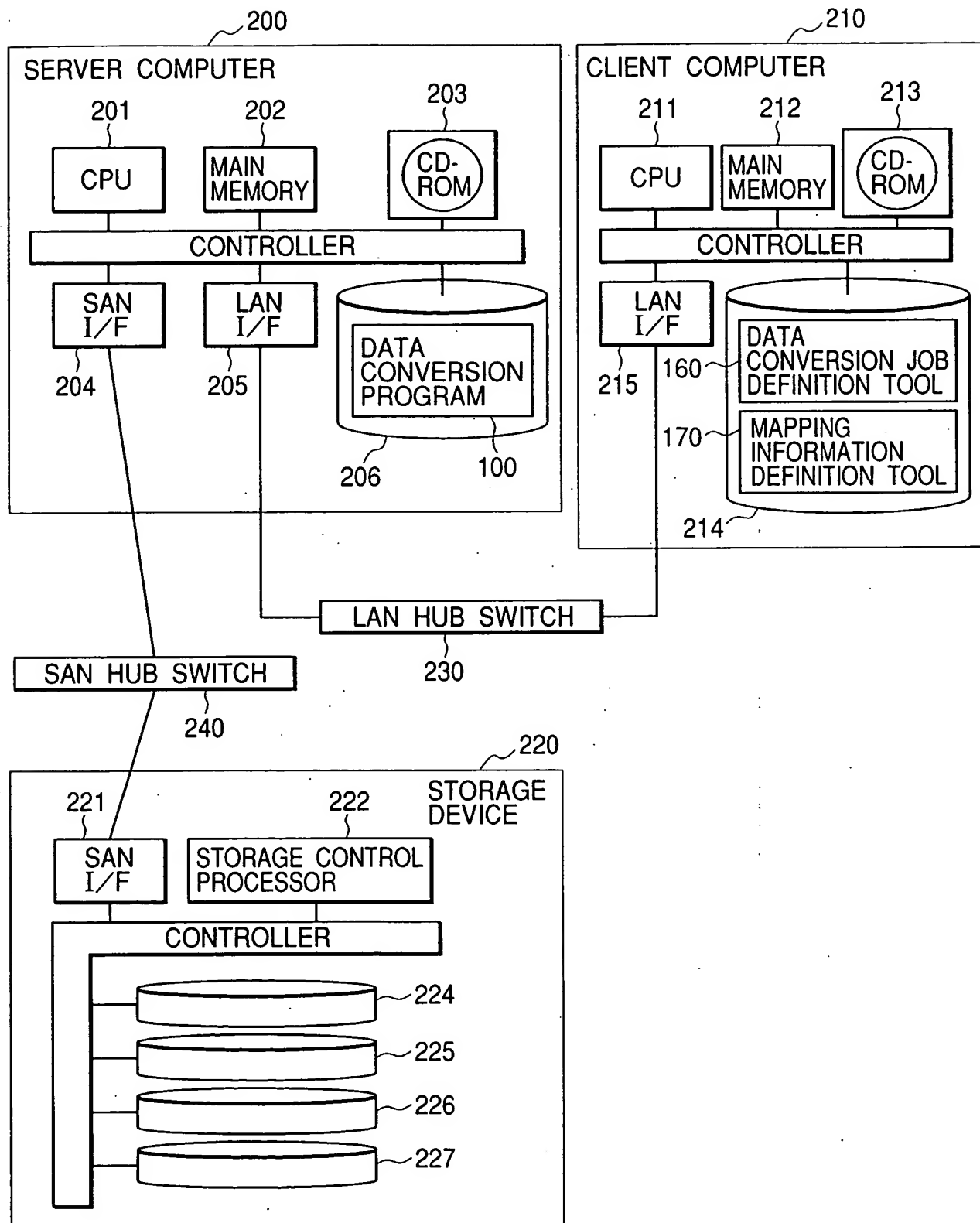
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FIG. 1



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FIG. 2



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FIG. 3

| COMMODITY CODE | COMMODITY NAME | CLASSIFICATION CODE A | CLASSIFICATION CODE B | BAR CODE | REGISTRATION DATE |
|-------------------|-------------------|--------------------------|--------------------------|----------|----------------------|
| A0001 | EP8000 | 660 | H1 | 0123456 | 02-08-09 |
| A0002 | EP8001 | 660 | E2 | 1223456 | 02-08-10 |

FIG. 4

| COMMODITY CODE | COMMODITY NAME | CLASSIFICATION CODE A | CLASSIFICATION CODE B | BAR CODE | REGISTRATION DATE |
|-------------------|-------------------|--------------------------|--------------------------|----------|----------------------|
| &81&01 | EP8000 | 660-A1PS | B-H1 | 0123456 | 02-08-09 |
| &81&02 | EP8001 | 660-A1PS | B-E2 | 1223456 | 02-08-10 |

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FIG. 5

| 310 DBMS IDENTIFIER | 320 DB TABLE NAME | 330 TABLE FIELD NAME | 340 STORAGE DEVICE VOLUME | 150 |
|------------------------|------------------------------|-------------------------|------------------------------------|-----|
| DBMS1 | COMMODITY MASTER | COMMODITY CODE | Vol1 | 351 |
| DBMS1 | COMMODITY MASTER | COMMODITY NAME | Vol2 | 352 |
| DBMS1 | COMMODITY MASTER | CLASSIFICATION CODE A | Vol3 | 353 |
| DBMS1 | COMMODITY MASTER | CLASSIFICATION CODE B | Vol4 | 354 |
| DBMS1 | COMMODITY MASTER | BAR CODE | Vol5 | 355 |
| DBMS1 | COMMODITY MASTER | REGISTRATION DATE | Vol6 | 356 |
| | | | | |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | COMMODITY CODE | Vol11 | 361 |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | COMMODITY NAME | Vol12 | 362 |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE A | Vol13 | 363 |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE B | Vol13 | 364 |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | BAR CODE | Vol14 | 365 |
| DBMS1 | A COMPANY'S COMMODITY LEDGER | REGISTRATION DATE | DETERMINE AT THE TIME OF EXECUTION | 366 |

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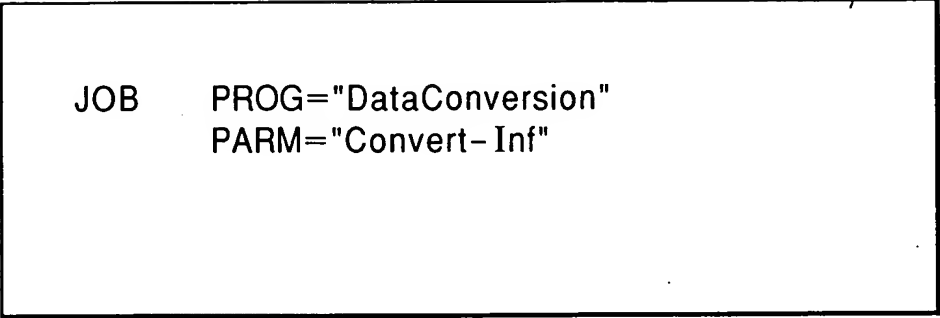
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FIG. 6(a)

101



```
JOB      PROG="DataConversion"  
        PARM="Convert-Inf"
```

FIG. 6(b)

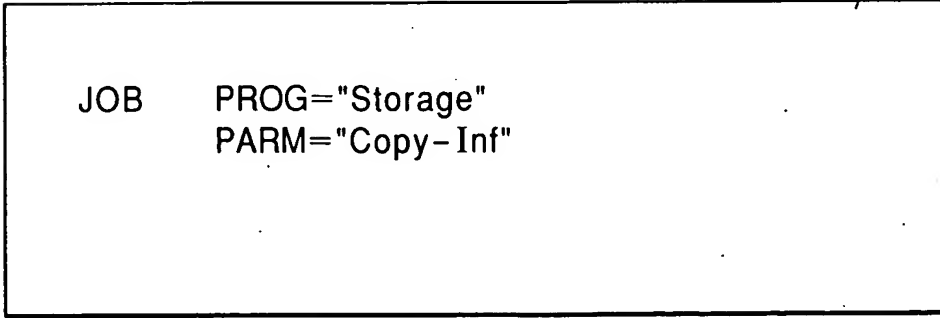
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```
JOB      PROG="DataConvert-Server"  
        PARM="Separated-Convert-Inf"
```

FIG. 6(c)

105



```
JOB      PROG="Storage"  
        PARM="Copy-Inf"
```

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FIG. 7

| 1001 INPUT TABLE NAME | 1002 INPUT FIELD NAME | 1003 OUTPUT TABLE NAME | 1004 OUTPUT FIELD NAME | 1005 CONTENTS OF CONVERSION | 101T |
|-----------------------------|-----------------------------|---------------------------------|------------------------------|---|------|
| COMMODITY MASTER | COMMODITY CODE | A COMPANY'S COMMODITY LEDGER | COMMODITY CODE | A COMPANY'S MASTER CONVERSION (COMMODITY CODE) | 1021 |
| COMMODITY MASTER | COMMODITY NAME | A COMPANY'S COMMODITY LEDGER | COMMODITY NAME | COMMODITY NAME | 1022 |
| COMMODITY MASTER | CLASSIFICATION CODE 1 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE A | A COMPANY'S CLASSIFICATION A (CLASSIFICATION CODE 1) | 1023 |
| COMMODITY MASTER | CLASSIFICATION CODE 2 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE B | A COMPANY'S CLASSIFICATION B (CLASSIFICATION CODE 2) | 1024 |
| COMMODITY MASTER | BAR CODE | A COMPANY'S COMMODITY LEDGER | BAR CODE | BAR CODE | 1025 |
| COMMODITY MASTER | REGISTRATION DATE | A COMPANY'S COMMODITY LEDGER | REGISTRATION DATE | REGISTRATION DATE | 1026 |

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FIG. 8

| 107T | | | | |
|------------------|-----------------------|------------------------------|-----------------------|--|
| INPUT TABLE NAME | INPUT FIELD NAME | OUTPUT TABLE NAME | OUTPUT FIELD NAME | CONTENTS OF CONVERSION |
| COMMODITY MASTER | COMMODITY CODE | A COMPANY'S COMMODITY LEDGER | COMMODITY CODE | A COMPANY'S MASTER CONVERSION (COMMODITY CODE) |
| COMMODITY MASTER | CLASSIFICATION CODE 1 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE A | A COMPANY'S CLASSIFICATION A (CLASSIFICATION CODE 2) |
| COMMODITY MASTER | CLASSIFICATION CODE 2 | A COMPANY'S COMMODITY LEDGER | CLASSIFICATION CODE B | A COMPANY'S CLASSIFICATION B (CLASSIFICATION CODE 1) |
| 1021 | | | | |
| 1023 | | | | |
| 1024 | | | | |

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FIG. 9

| COPY-FROM VOLUME | COPY-TO VOLUME | |
|------------------|---------------------------------------|------|
| Vol1 | Vol11 | 1221 |
| Vol2 | Vol12 | 1222 |
| Vol3 | Vol13 | 1223 |
| Vol3 | Vol13 | 1224 |
| Vol4 | Vol14 | 1225 |
| Vol5 | DETERMINE AT THE TIME OF EXECUTION | 1226 |

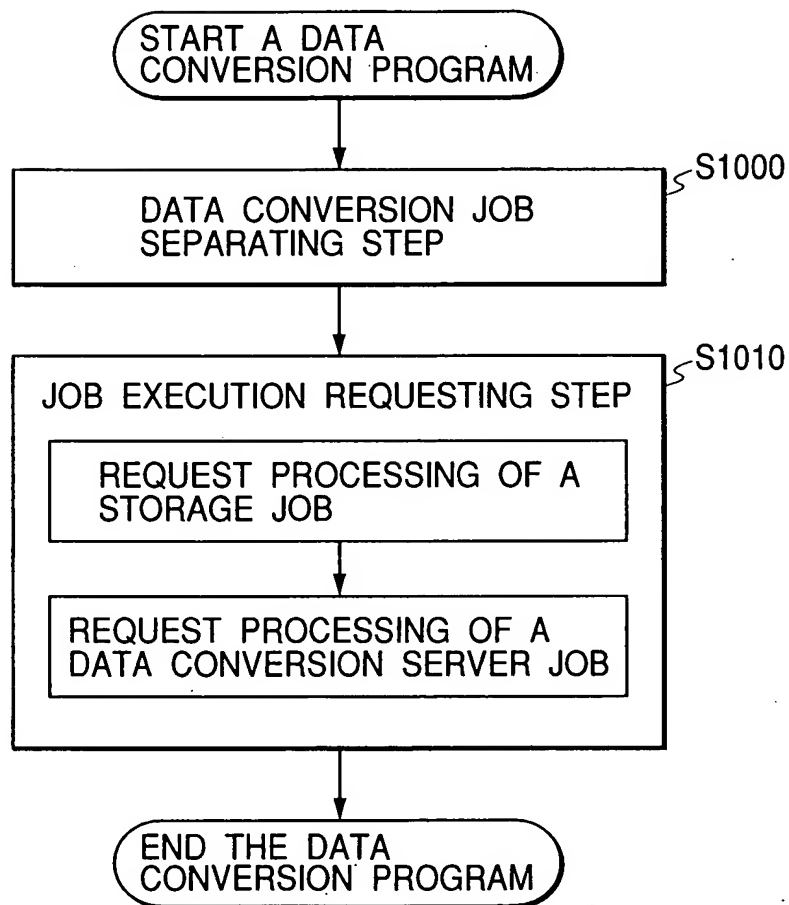
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FIG. 10

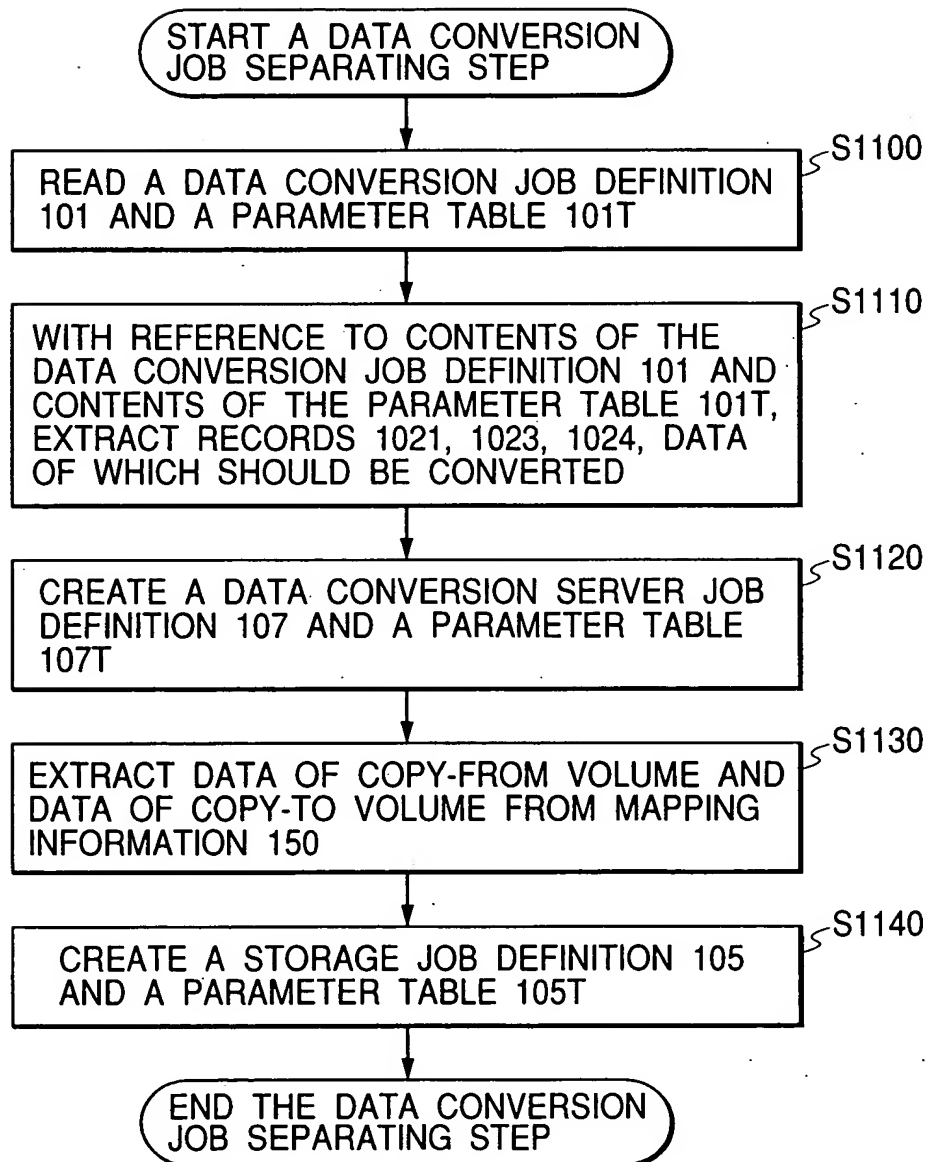
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FIG. 11

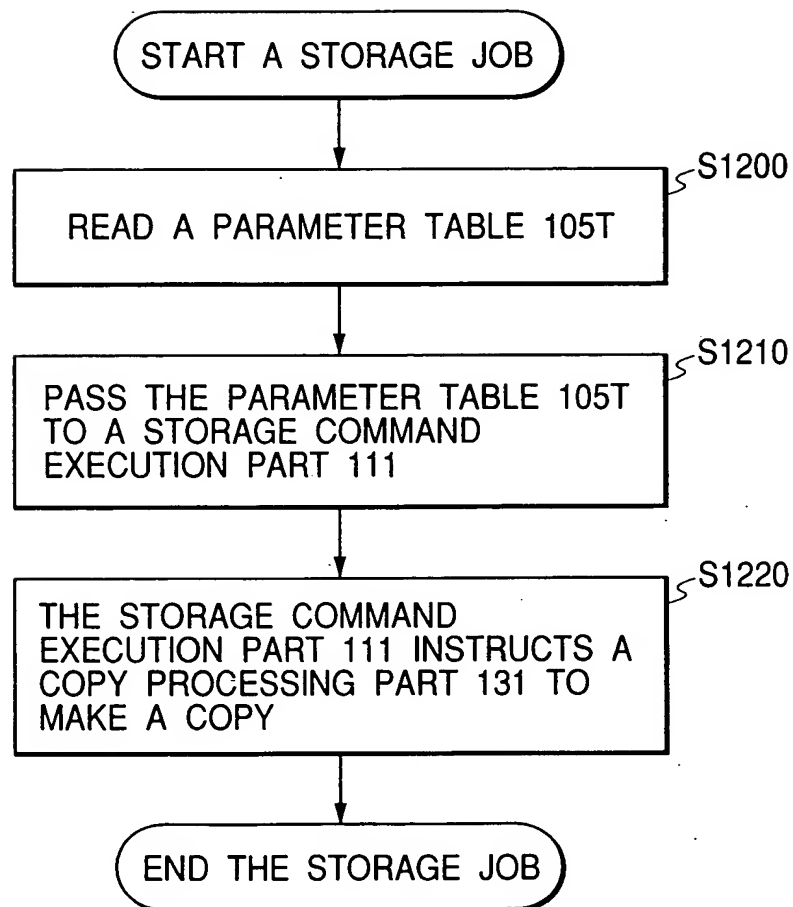
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FIG. 12

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FIG. 13